

Factors Used to Project Montana Industry Jobs

SIC Code*	INDUSTRY	Adj. R2**	U.S. Sector Jobs	Montana Population	Time	Montana Building Construction	U.S. Sector Growth Rate	Other Variables	Dummy Variable	Other Methodological Comments***
	AGRICULTURE, FORESTRY & HUNTING									
01 & 02	PRODUCTION AGRICULTURE									
01 & 02	Agricultural Production, Crops & Livestock	0.71			X					1976 forward, U.S. Bureau of Economic Analysis jobs series; omitted atypical early 1970s
07	VETERINARY & OTHER AGRICULTURAL SERVICES									
071	Soil Preparation Services						X			
072	Crop Services						X			
074	Veterinary Services (includes both small & large animal)	0.84		X						1984+ (data destroyed before 1984)
075	Kennels & Other Animal Services, except Veterinary	0.85		X						1984+ (data destroyed before 1984)
076	Farm Labor & Management Services									Assumed constant 1999 estimate
078	L&scape & Horticultural Services	0.84		X						1984+ (data destroyed before 1984)
08	TIMBER TRACTS, NURSERIES & FORESTRY SERVICES									
081	Timber Tracts						X			
083	Forest Nurseries & Gathering	0.25			X					1989+, start of the Montana data series
085	Forestry Services	0.49						X		1990+ using SIC 241, logging as independent (predictor) variable
09	FISHING, HUNTING, TRAPPING, GAME PROPAGATION									
097	Hunting, Trapping & Game Propagation	0.85			X					1987+, start of the Montana data series
	MINING									
10	METAL MINING									
101	Iron Ores						X			
102	Copper Ores	0.73	X							
103	Lead & Zinc Ores						X			
104	Gold & Silver Ores	0.91	X						X	1976+; dummy variable for 1995-98 due to mine closures
108	Metal Mining Services						X			
109	Palladium/Platinum & Other Metal Ores									Stillwater Mining Company's announced expansion plans
12	COAL MINING									
122	Bituminous Coal Mining	0.80	X							1984 forward; data not available before 1984
124	Coal Mining Services									Average of last 15 years
13	OIL & GAS EXTRACTION									
131	Crude Petroleum & Natural Gas	0.89	X						X	1975+ (SIC Change); dummy added for 1995-98 differential experience
138	Oil & Gas Field Services	0.88	X						X	Dummy variable for 1990s; adjusted for exploration ban on the Rocky Mountain Front
14	NONENERGY, NONMETAL MINING									
141	Dimension Stone						X			
142	Crushed & Broken Stone						X			
144	S& & Gravel	0.67		X						
145	Clay, Ceramic & Refractory Minerals						X			
147	Chemical & Fertilizer Mining						X			
148	Nonmetallic Minerals Services									Average of last 7 years
149	Talc & Other Miscellaneous Nonmetallic Mining	0.80	X						X	1986+
	CONSTRUCTION									
15	GENERAL BUILDING CONSTRUCTION									
152	Residential Building Contractors	0.85		X						1984 forward
153	Operative Builders									Average of last 7 years
154	Nonresidential Building Contractors	0.94		X					X	1982+; dummy variable for 1997-98, one-time construction of the ASIMI plant in Butte
16	HEAVY CONSTRUCTION									
161	Highway & Street Contractors	0.78								Autoregression Intergrated Moving Average model (1,1,0)
162	Water/Sewer & Other Heavy Construction Contractors	0.20	X							1972 forward, U.S. jobs series only available 1972+; regression fit the 1990s well
17	SPECIAL TRADES CONSTRUCTION									
171	Plumbing, Heating, Air Conditioning Contractors	0.97				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
172	Painting & Paper Hanging Contractors	0.94				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
173	Electrical Contractors	0.91				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
174	Masonry, Stonework & Plastering	0.94				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
175	Carpentry & Floor Work	0.98				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
176	Roofing, Siding & Sheet Metal Work	0.96				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
177	Concrete Work	0.82				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
178	Water Well Drilling	0.94				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
179	Excavation, Structural Steel Erection & Other Special Trades	0.90				X				1987+ using SIC 15 as predictor (independent variable); growth in building const. since '87
	MANUFACTURING									
20	FOOD PROCESSING									
201	Meat Products	0.59	X							1985+, restructured industry
202	Dairy Products	0.85			X					Consistent with the consolidation in this industry
203	Preserved Fruits & Vegetables						X			
204	Flour, Prepared Feeds & Other Grain Mill Products	0.57	X							
205	Bakery Products	0.92	X						X	1972+, U.S. data only for 1972+; dummy variable for 1998 reclassification

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206	Sugar & Confectionery Products	0.55			X					Projection is consistent with sugar plant layoffs associated with more free trade
207	Fats & Oils						X			
208	Beverages	0.72		X					X	1981+; dummy variable for 1989-98 due to industry restructuring or reclassification
209	Pasta, Manufactured Ice & Other Food Processing	0.95		X					X	1982+; dummy variable for 1998 with a new plant operating
22	TEXTILE MILL PRODUCTS									
221	Broadwoven Fabric Mills, Cotton						X			
222	Broadwoven Fabric Mills, Synthetic						X			
225	Knitting Mills						X			
226	Textile Finishing, Except Wool						X			
229	Other Textile Goods						X			
23	APPAREL & OTHER FABRICATED TEXTILE PRODUCTS									
232	Men's & Boys' Clothing						X			
233	Women's Outerwear						X			
234	Women's & Children's Undergarments						X			
235	Hats, Caps & Millinery						X			
236	Girls' & Children's Outerwear						X			
239	Other Fabricated Textile Products	0.54	X							
24	LOGGING, LUMBER & OTHER WOOD PRODUCTS									
241	Logging	0.50								SIC 242 as predictor, 1968 forward
242	Sawmills & Planing Mills	0.91	X						X	Restructured industry 1995 forward; history 1968+
243	Millwork, Plywood & Structural Members	0.75	X						X	1981+; dummy variable for 1995-98
244	Wood Containers	0.81			X					1975+ (SIC change)
245	Log Homes & Other Prefabricated Wood Buildings	0.69		X						1987+; growth in Montana building construction since 1987
249	Posts/Poles, Reconstituted & Other Wood Products	0.92		X						
25	FURNITURE MANUFACTURING									
251	Household Furniture Manufacturing	0.96			X					1985+; break in series
252	Office Furniture	0.91			X					1985+; trivial employment before 1985
253	Public Building & Related Furniture									Mean value
254	Partitions & Fixtures	0.79	X							1975+ (SIC change)
259	Other Furniture						X			
26	PAPER PRODUCTS									
263	Paperboard Mills	0.63			X					1984+
265	Paperboard Containers						X			
267	Other Converted Paper Products	0.38			X					1984+ (data destroyed before 1984), using the reciprocal of time squared as predictor
27	PRINTING & PUBLISHING									
271	Newspapers	0.78		X						
272	Periodicals						X			
273	Books	0.83	X							1975+; trivial employment before 1975
274	Directories & Other Publishing	0.93			X					1982+; break in Montana data series
275	Commercial Printing	0.94	X							
278	Checkbooks, Other Blankbooks & Bookbinding						X			
279	Printing Trade Services						X			
28	CHEMICALS									
281	Industrial Inorganic Chemicals	0.47			X				X	1975+; dummy variable for 1997-98 for a major plant closing
282	Plastics Materials & Synthetic Resins						X			
283	Drugs	0.59	X							1988+ (new plant); trivial employment before 1988
284	Soap, Cleaners & Toilet Preparations									Average of last 7 years
285	Paints & Allied products									Mean value
286	Silicones & Other Industrial Organic Chemicals									Planned expansion of the Advanced Silicon Materials (ASiMI) plant
287	Agricultural Chemicals	0.44			X					1991+ because of major plant closures
289	Other Chemicals						X			
29	PETROLEUM PRODUCTS									
291	Petroleum Refining	0.71			X					
295	Asphalt Paving & Roofing Materials						X			
30	RUBBER & PLASTIC PRODUCTS									
302	Rubber & Plastic Footwear									Trivial employment; projection by assumption
305	Hose, Belting, Gaskets						X			
306	Other Fabricated Rubber Products	0.86			X					1987+, trivial employment before 1987
308	Miscellaneous Plastic Products	0.52	X							1984+
31	LEATHER PRODUCTS									
311	Leather Tanning & Finishing						X			
314	Footwear, except Rubber						X			
319	Other Leather Goods						X			

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32	STONE, CLAY & GLASS PRODUCTS									
323	Products of Purchased Glass						X			
324	Hydraulic Cement	0.81	X			X				Montana total construction as second independent variable
325	Structural Clay Products						X			
326	Pottery Products						X			
327	Concrete & Concrete Products	0.59				X				1987+ using Building Construction (SIC 15+17) as the independent variable
328	Cut Stone & Stone Products						X			
329	Miscellaneous Nonmetallic Mineral Products						X			
33	PRIMARY METALS INDUSTRIES									
332	Iron & Steel Foundries						X			
333	Primary Aluminum & Lead Processing	0.86	X							Reciprocal of U.S. employment as predictor to eliminate negative 2008 projection
336	Nonferrous Foundries	0.88		X						1970+ (sector started in 1970)
339	Other Primary Metal Products						X			
34	FABRICATED METAL PRODUCTS									
342	Cutlery, Handtools & Hardware	0.71		X						
343	Plumbing & Heating Metal Products, except Electric						X			
344	Fabricated Structural Metal Products	0.73		X						1965+
345	Screw Machine Products						X			
346	Metal Forgings & Stampings						X			
347	Metal Services (not elsewhere classified)						X			
348	Small Arms & Other Ordnance & Accessories	0.78		X						1975+ (SIC change)
349	Miscellaneous Fabricated Metal Products						X			
35	INDUSTRIAL MACHINERY									
352	Farm & Garden Machinery						X			
353	Construction, Mining & Related Machinery	0.49		X						
354	Machine Tool Accessories & Other Metalworking Machinery						X			
355	Special Industry Machinery	0.80	X							1984+, trivial employment before 1984
356	General Industrial Machinery	0.81	X							1992+; SIC change in 1988; plant closure in 1992
357	Computer & Office Equipment						X			
358	Refrigeration & Service Industry Machinery						X			
359	Machine Shops & Other Industrial Machinery	0.66			X				X	Dummy for 1996-98
36	ELECTRONIC & OTHER ELECTRICAL EQUIPMENT									
361	Electric Distribution Equipment									The company's operations are for sale; assumed transfer of employment out-of-state
362	Electrical Industrial Apparatus						X			
363	Household Appliances						X			
364	Electric Lighting & Wiring Equipment									Average of last 7 years
366	Communications Equipment						X			
367	Electronic Components	0.35	X							1966+
369	Other Electrical Equipment						X			
37	TRANSPORTATION EQUIPMENT									
371	Motor Vehicles & Equipment	0.90			X					
372	Aircraft & Parts						X			
373	Boat Building & Repairing						X			
374	Railroad Equipment						X			
375	Motorcycles, Bicycles & Parts						X			
379	Campers & Other Transportation Equipment	0.76			X					1988+; SIC change in 1975
38	MEASURING, CONTROLLING & MEDICAL INSTRUMENTS									
381	Search & Navigation Equipment						X			
382	Measuring & Controlling Instruments	0.61			X					1989+; trivial employment before 1989
384	Dental & Other Medical Instruments	0.89			X					

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412	Taxicabs	0.78	X							
413	Intercity & Rural Bus Transportation	0.67	X							
414	Bus Charter Service						X			
415	School Buses	0.79						X	X	1982+, school enrollment as main independent variable; dummy variable for 1997-98
417	Bus Terminal Services						X			
42	MOTOR FREIGHT TRANSPORTATION									
421	Trucking	0.89		X						
422	Public Warehousing & Storage	0.72	X							1987+; volatile data series, farm storage component is now minimal
44	WATER TRANSPORTATION									
448	Water Passenger Transportation						X			
449	Marinas & Other Water Transportation Services						X			
45	AIR TRANSPORTATION									
451	Air Transportation, Scheduled & Air Courier	0.66	X							1988 forward (firm reclassification)
452	Air Transportation, Nonscheduled	0.97	X							1988+ (SIC change); dummy variable for 1996-98 because of reclassification
458	Airports & Flying Fields	0.93		X						1988+ (SIC change)
46	PIPELINES, EXCEPT NATURAL GAS									
461	Pipelines, Except Natural Gas	0.84			X				X	Dummy variable for 1996-98 for extra employees for one-time replacement project
47	TRANSPORTATION SERVICES									
472	Arrangement of Passenger Transportation									Held 1999 estimate constant in light of industry restructuring with Internet competition
473	Freight Transportation Arrangement	0.97	X							1986+
478	Other Transportation Services	0.94	X							1990 forward because of reclassification
48	COMMUNICATIONS									
481	Telephone Communication	0.83	X						X	1970+; using 2008 U.S. employment forecast from WEFA, Inc.; dummy variable for 1994-98
482	Telegraph & Other Message Communication									Judgment on growth of e-mail
483	Radio & Television Broadcasting	0.96	X							
484	Cable & Other Pay Television Services	0.89		X						1984+ (data destroyed before 1984)
489	Other Communications Services						X			
49	ELECTRIC, GAS & SANITARY SERVICES									
491	Electric Services	0.94	X						X	1964+; dummy variable for 1993-98 because of industry restructuring
492	Gas Production & Distribution									Mean of the last 10 years
493	Combination Gas & Electric Utility Services	0.85	X	X						
494	Water Supply	0.92	X						X	1972+; dummy variable for 1992+, the private Butte Water Co. was sold to Butte local gov't
495	Sanitary Services	0.93		X						
497	Private Irrigation Systems									Mean value
	WHOLESALE TRADE									
50	WHOLESALE TRADE, DURABLE GOODS									
501	Wholesale Motor Vehicles, Parts & Supplies	0.85		X						
502	Wholesale Furniture & Home Furnishings	0.78	X							1975+ (SIC change)
503	Wholesale Lumber & Other Construction Materials	0.38				X			X	1975+ (SIC change); dummy variable for 1998
504	Wholesale Professional & Commercial Equipment & Supplies	0.59		X						1988+ (SIC change)
505	Wholesale Metals & Minerals, Except Petroleum	0.53	X						X	1975+ (SIC change); dummy variable for 1993-1998 because of a firm reclassification
506	Wholesale Electrical Goods	0.93				X				1988+; SIC15+17 (total building construction) as predictor variable
507	Wholesale Hardware, Plumbing & Heating Equipment	0.71				X				SIC15+17 (total building construction) as predictor variable
508	Wholesale Machinery, Equipment & Supplies	0.83		X						1985+ (SIC change made back to 1984)
509	Other Wholesale Durable Goods	0.83	X							1985+; dummy variable for 1993-98 because of a reclassification
51	WHOLESALE TRADE, NONDURABLE GOODS									
511	Wholesale Paper & Paper Products	0.85		X					X	1975+ (SIC change); dummy variable for 1998 because of new stores
512	Wholesale Drugs & Proprietarys						X			
513	Wholesale Apparel	0.76		X						1975+ (SIC change)
514	Distribution of Groceries & Related Products	0.95	X							1975+ (SIC change)
515	Wholesale Grain, Livestock & Other Farm Products	0.94	X							1975+ (SIC change)
516	Wholesale Chemicals & Related Products	0.90						X		1975+ (SIC change); used SIC 138, Oil & Gas Exploration, as independent variable
517	Petroleum & Petroleum Products Distribution	0.84	X							1980+
518	Beer, Wine & Distilled Beverages Distribution	0.90	X			</				

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531	Department Stores (includes discount dept. stores)	0.94		X					X	Dummy variable 1996-98, for nonpopulation related discount store expansion in the 1990s
533	Variety Stores	0.59			X					
539	Smaller Dept. Stores & Other General Merchandise Stores						X			
54	FOOD STORES									
541	Grocery Stores	0.96	X							1972+, U.S. data only available 1972+
542	Meat & Fish Markets	0.45	X						X	1972+, U.S. data only available 1972+; dummy variable for 1995-98
543	Fruit & Vegetable Markets						X			
544	Candy, Nut & Confectionery Stores						X			
546	Retail Bakeries	0.74		X					X	Dummy variable used for 1998 due to reclassification
549	Health & Other Miscellaneous Food Stores	0.96	X							U.S. data available only 1976+
55	MOTOR VEHICLE DEALERS & SERVICE STATIONS									
551	New & Used Motor Vehicle Dealers	0.77						X		1981+; real (inflation adjusted) Montana personal income as predictor variable
552	Exclusively Used Motor Vehicle Dealers	0.83	X						X	1972+, U.S. data only available 1972+; dummy variable for 1997-98
553	Auto Parts & Home Supply Stores	0.93	X						X	1975+ (SIC change); dummy variable for 1997-98
554	Gasoline Service Stations	0.97						X		1982+; real Montana personal income & real U.S. gasoline consumption as predictors
555	Boat Dealers	0.95			X					1975+
556	Recreational Vehicle Dealers	0.79	X							U.S. data available only 1985+
557	Motorcycle Dealers	0.61	X							1976+
559	Snowmobile & Other Motor Vehicle Dealers	0.97		X						1988+ (SIC change)
	RETAIL APPAREL STORES									
561	Men's & Boys' Clothing Stores	0.90	X							Used the square of U.S. employment for the independent variable to flatten decline
562	Women's Clothing Stores	0.96			X					1979+, Montana employment peaked in 1979
563	Women's Accessory & Specialty Stores	0.60	X							1976+ (U.S. employment available 1976+)
564	Children's & Infant's Clothing						X			
565	Family Clothing Stores	0.91	X							
566	Shoe Stores	0.92			X					1992+ (Montana employment peaked in 1992)
569	Other Apparel Stores	0.86		X					X	Dummy variable for 1997-98
57	HOME FURNISHINGS & EQUIPMENT STORES									
571	Furniture & Home Furnishings Stores	0.96		X						
572	Household Appliance Stores									No significant relationships; used this industry's mean value as the 2008 projection
573	Radio, Television & Music Stores	0.95	X							1972+, U.S. employment only available 1972+
58	EATING & DRINKING PLACES									
581	Eating & Drinking Places	0.96	X							
59	OTHER RETAIL TRADE									
591	Drugstores & Proprietary (Nonprescription) Stores	0.84			X					1985+, Montana industry losing the competition with department stores & food stores
592	Liquor Stores	0.80		X					X	Dummy variable for 1996-98, privatization of liquor stores
593	Pawn, Antique & Other Used Merchandise Stores	0.92		X					X	1975+; dummy variable for 1997-98
594	Sporting Goods, Gift Stores & Other Misc. Shopping Goods	0.93	X							1975+ (SIC change)
596	Nonstore Retailers (Catalog, Door-to-Door, Vending Mach.)	0.73		X					X	Dummy variable used for unusual years: 1975, 78, 82-85, 91
598	Liquefied Petroleum Gas & Other Fuel Dealers	0.20		X						
599	Other Retail Stores	0.91	X							1976+, U.S. employment available 1976+
	FINANCE, INSURANCE & REAL ESTATE									
60	BANKS & OTHER DEPOSITORY INSTITUTIONS									
601	Federal Reserve Bank	0.88		X						1962+ (Montana data series started in 1962)
602	Commercial Banks	0.91		X						1989+
603	Savings Institutions	0.95		X					X	Dummy variable for 1993-98, due to industry restructuring
606	Credit Unions	0.93	X							1985+ (SIC change & data destroyed before 1984)
609	Trust & Other Functions Related to Banking	0.79		X						
61	NONDEPOSITORY CREDIT INSTITUTIONS									
611	Federally Sponsored Credit Agencies	0.93	X							1992+ (Montana data series started in 1992)
614	Personal Credit Institutions	0.43	X							1984+ (SIC change)
615	Agricultural & Other Business Credit Institutions	0.65						X		1984+ using production agriculture employment as independent variable
616	Mortgage Bankers & Brokers	0.88	X							1975+, trivial employment before 1975
62	SECURITY/COMMODITY BROKERS & SERVICES									
621	Security Brokers & Dealers	0.96	X							1972+, U.S. employment only available 1972+
622	Commodity Contracts Brokers & Dealers						X			
628	Investment Counseling & Other Security Services	0.74	X							1985+, U.S. employment available 1985+
63	INSURANCE CARRIERS									
631	Life Insurance	0.62			X					For the noncovered employment component, used time trend based on the 1992-99 period
632	Health Insurance Plans	0.92	X							
633	Fire, Marine & Casualty Insurance	0.80		X						
635	Financial Responsibility Insurance									Announced planned expansion of the sector's large firm, National Electronics Warranty
636	Title Insurance	0.90	X							

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637	Pension, Health & Welfare Funds						X			
639	Other Insurance Carriers						X			
64	INSURANCE AGENTS & BROKERS									
641	Insurance Agents, Brokers	0.94	X							1972+, U.S. employment only available 1972+
65	REAL ESTATE									
651	Real Estate Operators	0.96		X					X	Dummy variable 1995-98
653	Real Estate Agents & Brokers	0.96		X					X	Dummy variable for 1994-98
654	Title Abstract Offices	0.57		X					X	Dummy variable for 1993-98
655	Subdividers & Developers	0.83		X						
67	HOLDING & OTHER INVESTMENT OFFICES									
671	Offices of Holding Companies	0.96	X						X	1972+, U.S. jobs series 1972+; dummy variable for 1988-98 because of reclassification
672	Investment Offices						X			
673	Educational Foundations & Trusts	0.64			X					1990+ because of reclassification or restructuring
679	Patent Owners/Lessors & Other Investing	0.24			X					1989+ because of reclassification
	OTHER PRIVATE SERVICES									
70	LODGING PLACES									
701	Hotels & Motels	0.93		X						
702	Rooming & Boarding Houses						X			
703	Camps & Recreational Vehicle Parks	0.87	X							1982+
704	Fraternity/Sorority Houses & Other Organization Lodging						X			
72	PERSONAL SERVICES									
721	Laundry, Cleaning & Garment Services	0.60		X						1983+
722	Photographic Studios	0.13		X						1975+ (SIC change)
723	Beauty Shops	0.87			X					1987+; employment peaked in 1987
724	Barber Shops						X			
725	Shoe Repair									Judgmental trend for this tiny sector
726	Funeral Service & Crematories	0.89	X							1972+, U.S. employment only available 1972+
729	Tax Return Preparation & Other Personal Services	0.64		X						1991+
73	BUSINESS SERVICES									
731	Advertising	0.67	X							
732	Credit Reporting, Adjustment & Collection	0.30			X					Used trend cycle time series model
733	Photocopying, Secretarial & Commercial Art Services	0.92	X							1972+, U.S. employment only available 1972+
734	Maintenance & Other Services to Buildings	0.87	X							
735	Equipment Rental	0.97		X						1988 forward (SIC change)
736	Personnel Supply Services	0.93	X							1975+ (SIC change)
737	Computer & Data Processing Services	0.94	X							1975+ (SIC change)
738	Telemarketing & Other Business Services	0.98	X							1985+ (SIC change & data lost before 1984)
75	AUTO REPAIR, RENTAL & OTHER SERVICES									
751	Automotive Rental/Leasing, without Drivers	0.91		X						1975+ (SIC change)
752	Automobile Parking						X			
753	Automotive Repair Shops	0.94		X					X	Dummy variable for 1997-98
754	Quicklubes, Car Washes & Other Auto Services	0.96	X							1975+ (SIC change)
76	OTHER REPAIR SERVICES									
762	Electrical Repair Shops	0.86		X						1975+ (SIC change)
763	Watch, Clock & Jewelry Repair						X			
764	Reupholstery & Furniture Repair	0.89			X					1991+
769	Welding, Small Engine & Other Miscellaneous Repair	0.89	X							1982+
78	MOTION PICTURES									
781	Motion Picture Production	0.91	X						X	MT data available 1975+; dummy variable used for years with large feature films produced
782	Motion Picture Distribution & Services						X			
783	Motion Picture Theaters	0.73	X						X	1972+, U.S. jobs series available 1972+; dummy variable for 1991-98
784	Videotape Rental	0.82		X						1988 forward (SIC change)
79	AMUSEMENT & RECREATIONAL SERVICES									
791	Dance Studios, Schools & Halls						X			
792	Theatrical Producers, Bands, Orchestras	0.88	X							1972+, U.S. employment only available 1972+
793	Bowling Centers									Mean of last 10 years including a 1999 estimate
794	Commercial Sports	0.85		X						

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SIC Code*	INDUSTRY	Adj. R2**	U.S. Sector Jobs	Montana Population	Time	Montana Building Construction	U.S. Sector Growth Rate	Other Variables	Dummy Variable	Other Methodological Comments***
805	Nursing & Personal Care Facilities	0.97	X							1975+ (SIC change)
806	Private Hospitals	0.99	X							1972+, U.S. employment only available 1972+
807	Medical & Dental Laboratories	0.65	X							1972+, U.S. employment only available 1972+
808	Home Health Care Services	0.99	X							1988 forward (SIC change)
809	Specialty Outpatient Clinics & Other Health Services	0.97	X							1988 forward (SIC change)
81	LEGAL SERVICES									
811	Legal Services	0.99	X							1972+, U.S. employment only available 1972+
82	PRIVATE EDUCATIONAL SERVICES									
821	Private Elementary & Secondary Schools	0.86	X						X	1984+ (data destroyed before 1984); dummy variable for 1998 because of reclassification
822	Private Colleges & Universities	0.88	X							1984+ (data destroyed); noncovered component used a time trend based on 1988-99 history
823	Private Libraries						X			
824	Private Vocational Schools						X			U.S. sector growth rate applied to 2000 estimate after school closures
829	Other Schools & Educational Services	0.87	X							1986+, data before 1984 destroyed
83	SOCIAL SERVICES									
832	Individual & Family Services including Counseling	0.82	X							1988+ (SIC change)
833	Job Training & Vocational Rehabilitation	0.90	X							1975+ (SIC change); presumed noncovered jobs held constant at 275
835	Child Day Care Services	0.97	X							1975+(SIC change)
836	Homes for the Aged, Children & Other Residential Care	0.89	X						X	1975+ (SIC change); dummy variable for 1998 to account for firm reclassification
839	Human Resource Councils & Other Social Services	0.93	X							1988+ (SIC change)
84	MUSEUMS, ART GALLERIES & ZOOS									
841	Museums & Art Galleries	0.95	X							1985+, U.S. employment available 1985+
842	Botanical & Zoological Gardens						X			
86	MEMBERSHIP ORGANIZATIONS									
861	Business Associations	0.77	X						X	1972+; used dummy variable for last 2 years because of reclassifications in last years
862	Professional Organizations	0.66			X					1982+
863	Labor Organizations	0.95			X					1979+ using the reciprocal of year as the independent variable to flatten downward trend
864	Tribal & Other Civic & Social Associations	0.89	X							1972+, U.S. employment only available 1972+
865	Political Organizations	0.74	X						X	1982+ with dummy variable for election years
866	Religious Organizations	0.79	X							1981+, includes presumed noncovered clergy & lay employees before 1998
869	Other Membership Organizations	0.84	X						X	1984+; dummy variable for 1995-98 after a new large firm opened for business in late 1994
87	ENGINEERING, MANAGEMENT & RESEARCH SERVICES									
871	Engineering & Architectural Services	0.91				X				1981+, using SIC 15 (General Building Construction Contractors) as predictor
872	Accounting, Auditing & Bookkeeping Services	0.90	X							1972+, U.S. employment only available 1972+
873	Research & Testing Services	0.63	X							1988+ (SIC change)
874	Management & Public Relations Services	0.92	X							1988+ (SIC change)
88	PRIVATE HOUSEHOLDS									
881	Private Households	0.95			X					1978+
89	OTHER SERVICES									
899	Other Services	0.53	X							1985+, U.S. employment available 1985+
	GOVERNMENT									
	FEDERAL GOVERNMENT									
431	U.S. Postal Service	0.86	X							Added dummy variable for 1995 shift
	Other Federal Government	0.51	X							1975 forward
	STATE GOVERNMENT									
806	Hospital	0.77			X					Data exist for 1984 forward
82	Education	0.69		X						Data exist for 1976 forward including work-study (presumed noncovered employment)
	Other State Government	0.91	X							Data exist for 1984 forward
	LOCAL GOVERNMENT									
806	Hospitals							X		Data exist for 1976 forward; used Montana private SIC 806 1999-2008 growth rate
82	Education	0.91						X		1982+; enrollment & real per capita income as predictors; includes presumed noncovered jobs
	Other Local Government	0.93		X						Data exist for 1982 forward; includes presumed noncovered jobs (local elected officials)
	SELF-EMPLOYMENT JOBS									
01 & 02	Agricultural Production, Crops & Livestock	0.49			X					1979+
07	Agricultural Services (veterinary, landscape, kennels, other)	0.93			X					Data exist 1982+
08	Forestry (tree farms/timber tracts, nurseries, forestry services)									Average of last 12 years, no significant trend
09	Fishing, Hunting, Trapping & Game Propagation	0.58			X					Data exist 1975+
10-89	Other Nonagricultural Sectors									By subtraction; projected all nonfarm proprietors, 1969+ using a time trend

*Standard Industrial Classification Code

**Measure of the historical fit of the regression line (or plane), adjusted for the length of the historical time period & the number of predictive factors; 1.00 is a perfect fit.

***The historical time period when U.S. jobs are used as the predictor is 1964+, unless otherwise noted; the period for other variables is 1961+, unless otherwise noted.